

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: DSB5820

Manufacturer: Microchip Technology

Package: DO-204AL, DO-41, Axial

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/microchip-technology/dsb5820.html>

Request a Quote:

[Submit RFQ for this part](#)



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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

- 1N5822 AVAILABLE IN JAN, JANTX, JANTXV AND JANS
PER MIL-PRF-19500/620
- 3 AMP SCHOTTKY BARRIER RECTIFIERS
- HERMETICALLY SEALED
- METALLURGICALLY BONDED

**1N5822
and
DSB5820 thru DSB5822
and
DSB3A20 thru DSB3A40**

MAXIMUM RATINGS

Operating Temperature: -65°C to +125°C

Storage Temperature: -65°C to +150°C

Average Rectified Forward Current: 3.0 AMP @ $T_L = +55^\circ\text{C}$, $L = 3/8"$

Derating: 43 mA / °C above $T_L = +55^\circ\text{C}$, $L = 3/8"$

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE	MAXIMUM FORWARD VOLTAGE			MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE	
	V_{RWM}	$V_F @ 1.0 \text{ A}$	$V_F @ 3.0 \text{ A}$	$V_F @ 9.4 \text{ A}$	$I_R @ +25^\circ\text{C}$	$I_R @ +100^\circ\text{C}$
	VOLTS	VOLTS	VOLTS	VOLTS	mA	mA
DSB5820	20	0.40	0.50	0.70	0.10	12.5
DSB5821	30	0.40	0.50	0.70	0.10	12.5
DSB5822	40	0.40	0.50	0.70	0.10	12.5
J,JX,JV & JS 5822	40	0.40	0.50	0.70	0.10	12.5
DSB3A20	20	0.40	0.50	0.70	0.10	12.5
DSB3A30	30	0.40	0.50	0.70	0.10	12.5
DSB3A40	40	0.40	0.50	0.70	0.10	12.5

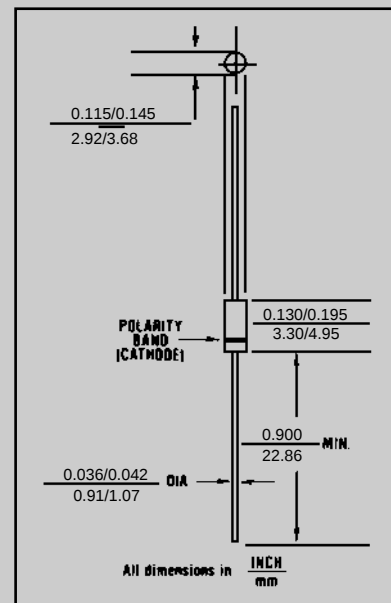


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed, "B" Body
per MIL-PRF-19500/620. D-5B

LEAD MATERIAL: Copper clad steel

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\theta JC}$): 30
°C/W maximum at $L = .375$ inch

THERMAL IMPEDANCE: ($Z_{\theta JX}$): 3
°C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any



1N5822 and DSB5820 thru DSB5822 and DSB3A20 thru DSB3A40

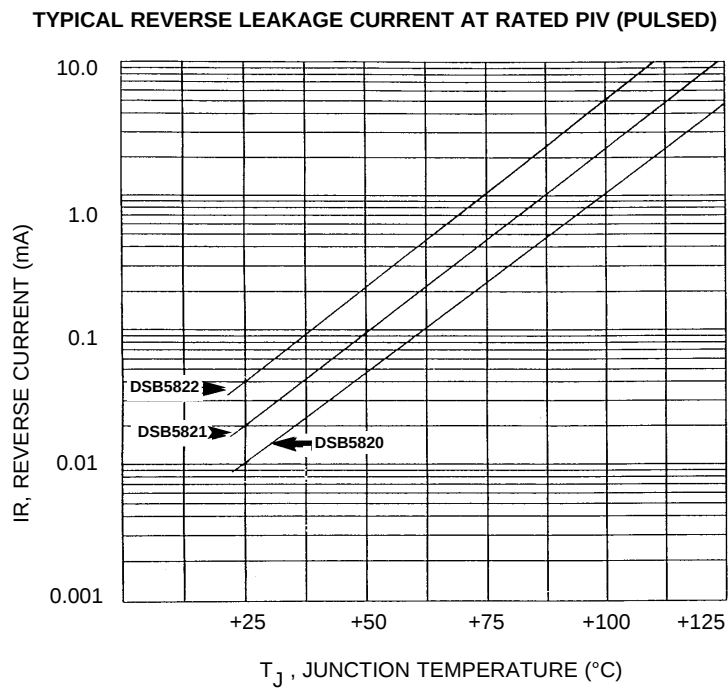


FIGURE 1

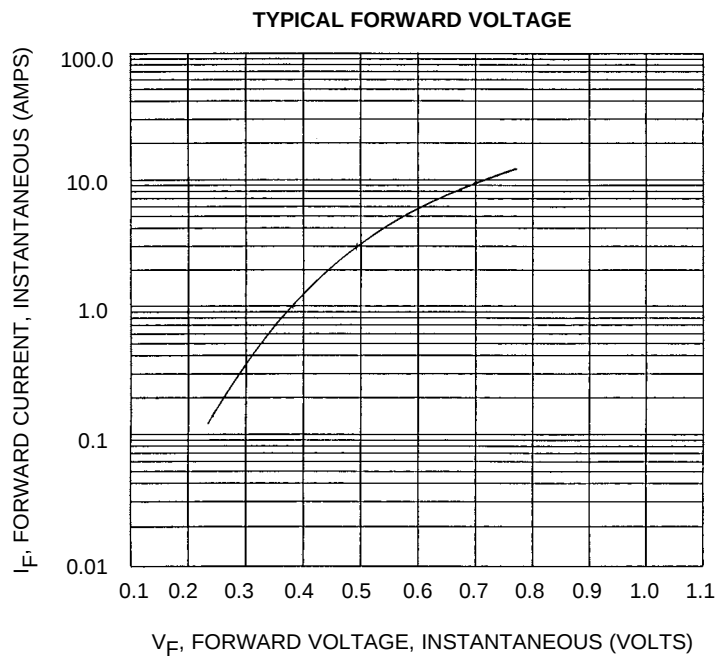


FIGURE 2